

Peak District National Park

Forecast valid from 00:00 on Friday 01 Sep 2023 until 23:59 on Saturday 02 Sep 2023

Forecast Issued on Thursday 31 Aug 2023 at 14:10

Confidence: High for the overall evolution but moderate for the clearance time of the rain tomorrow. Moderate for the intensity of the showers in the afternoon.

Headline for Friday 01 Sep 2023: Murky start with residual drizzle. Some sunny spells and a few showers later.

Mountain weather hazards on Friday 01 Sep 2023

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

Low Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

No Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

High Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Drizzle	Fog	Fog	Dull	Sunny intervals	Sunny intervals	Cloudy	Mist
Precipitation probability							
90%	80%	60%	40%	20%	30%	20%	30%

Forecast for Friday 01 Sep 2023

Weather: A murky start to the day with extensive low cloud, mist and drizzle. The cloud will lift and break during the morning but it'll be a slow process, any sunny spells emerging in the latter part of the morning. Sunny spells will become somewhat more prolonged in the afternoon, allowing one or two showers to develop in the same one spot. These will be mostly light to moderate, with perhaps the odd heavy one in the west. However, the cloud will return from the north later in the afternoon, bringing more low cloud and perhaps the odd outbreak of drizzle during the evening.

Chance of cloud-free hill tops above 600m: 05-10% at first but improving to 80-90% by midday. Reducing to 40-50% by dusk.

Low cloud and visibility: Poor to very poor at most heights at first, with extensive low cloud as low as 200m but perhaps less in any outbreak of drizzle. Visibility becoming mediocre or good at best, with cloud lifting above summits in the latter part of the morning but perhaps lingering at 600m in the far northeast. Banks of low cloud spreading south during the evening, as low as 500m.

Forecast for Friday 01 Sep 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/16 SE	8/10 SE	6/8 E	7/10 NE	8/12 NE	9/13 NE	10/15 NE	11/17 E	10/16 E
300	8/14 E	5/9 E	3/7 E	4/7 E	7/10 SE	8/12 E	8/15 E	9/17 E	8/15 NE
Valley	6/13 E	5/10 E	5/9 E	5/8 E	6/10 NE	7/13 E	10/18 E	11/22 E	10/20 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/8	11/9	10/9	11/10	13/11	13/12	12/10	11/9	11/9
300	12/11	12/12	12/12	14/13	16/15	16/15	15/14	14/12	13/12
Valley	13/12	13/12	13/12	15/15	17/16	17/16	16/14	14/13	14/12
Freezing Level*	2700m	2400m	2300m	2300m	2500m	2600m	2600m	2600m	2500m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Some good navigation skills required if you intend to walk out of the beaten tracks early in the morning, with a lack of reference points and neighbouring hills barely visible.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Wed 30 Aug 2023	0mm	0.4mm	0.4mm

Forecast for Saturday 02 Sep 2023

Weather: Some mist and a few patches of low cloud quickly dissipating to sunny spells and fair weather cloud. Generally dry although the odd light shower cannot be ruled out, mostly in the south of the park.

Maximum wind: East to northeasterly 10mph.

Chance of cloud-free hill tops above 600m: 70-80% rising to 95% or more during the morning.

Low cloud and visibility: Very poor at height locally, with cloud as low as 400m, but quickly becoming very good all around.

Temperature: **Valleys:** Plus 15 Celsius increasing to plus 22 Celsius
At 600m: Plus 11 Celsius increasing to plus 18 Celsius.
Freezing level: Above summits.